

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended) A genetically-modified, ~~non-human-mammal~~ mouse, wherein ~~the modification results in a functionally disrupted phosphodiesterase 11A (PDE11A) gene~~ said mouse is homozygous for functional disruption of the phosphodiesterase 11A (PDE11A) gene wherein said mouse exhibits nondetectable PDE11A activity and wherein a male mouse containing said homozygous disruption demonstrates reduced spermatogenesis or increased capacitation.

2 (cancelled).

3 (cancelled).

4 (currently amended) A genetically-modified ~~animal~~ murine cell, ~~wherein the modification comprises a functionally disrupted PDE11A-gene~~ derived from the genetically-modified mouse of claim 1.

5 (currently amended) The ~~animal~~ cell of claim 4, wherein said cell is an embryonic stem (ES) cell.

Claims 6-20 (cancelled).